



2020
ORC Club
Certificate

Rating Office
Hellenic Sailing Federation
Offshore Committee
Επιτροπή
Ανοικτής Θαλάσσης
Ελληνικής
Ιστιοπλοϊκής Ομοσπονδίας



Certificate
Number **01085**
Issued On **27/03/2020**
ORC Ref **03420000F9D**
VPP Ver. **2020 1.01**
Valid until **28/02/2021**

Crew Weight

Default	530kg
Maximum	400kg
Minimum*	300kg

**when applied by the NoR and SI*
Non Manual Pwr **No**

Special Scoring

ToD	ToT
Non Spin GPH	806.7 0.7438
Non Spin OSN	775.6 0.7735

Sails Limitations

Headsails **1** Spinnakers **4**

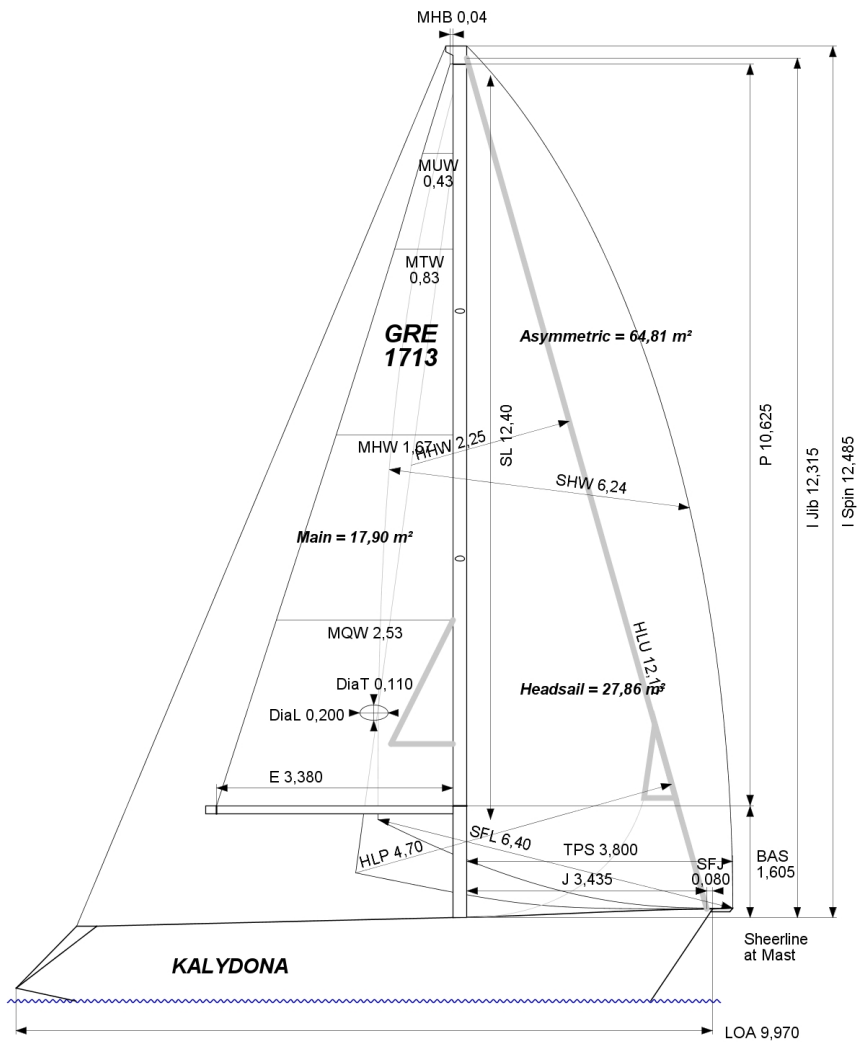
Asymmetric on centerline

Spinnaker configuration
Symmetric: **No**
Asymmetric: **Yes 64.81**
Flying H/S: **No**
Spin. Pole: **No**

Class Division Length
CDL = **6.779**

Stability (Estimated)
Limit Positive Stab.: **117.8°**
Stability Index: **116.0**

Owner



BOAT Name KALYDONA Sail Nr GRE-1713	GPH 758.9	HULL Data File GR1713 LOA 9.970m Offset File SO33SDCL.OFF MB 3.526m Displacement 4,700kg Draft 1.555m
CLASS Class SUN ODYSSEY 33 Designer DANIEL ANDRIEU Builder JEANNEAU Series 02/1992 Age Date 05/1993 Age Allowance 0.487%		IMS Division Cruiser/Racer Dynamic All. 0.475% Plan Review Construction Solid Fiber Rigging No Aramid Core No Crew Arm Ex Carbon Rudder No Light Stanchions No
COMMENTS Builder's displacement.		IMSL 8.459m VCGD 0.025m Sink 15.99kg/mm RL 5.099m VCGM 0.079m WS 20.89m² LSM0 8.330m Displacement/Length ratio 8.1314
PROPELLER Installation Shaft exposed PRD 0.400 Type Solid 3 blades PBW 0.135 PIPA 0.0199		Water Ballast 0 Trim Tab No BLR Index 0.0000
SCORING OPTIONS		CENTERBOARD NA
	COASTAL / LONG DISTANCE	WINDWARD / LEEWARD
Time on Distance	738.2	843.4
Time on Time	0.8128	0.8003
Triple Number	Low Medium High	Low Medium High
Time on Distance	897.6 665.4 579.6	1185.3 855.1 720.8
Time on Time	0.7520 1.0144 1.1645	0.5695 0.7894 0.9364

BOAT	
Name KALYDONA	Sail Nr GRE-1713
File GR1713	Data in meters/kilograms

RIG	
Forestay Tension Fixed	Spreaders 2
Inner Stay None Fitted	Runners/Checkstays 0
Carbon Mast No	Jib Furler Yes
Fiber Rigging No	Main Furler Yes
Non-Circular Rigging No	
Articulated Bowsprit No	
P 10.625	E 3.380 MDT1 0.110 MW
IG 12.315	J 3.435 MDL1 0.200 GO
ISP 12.485	SFJ 0.080 MDT2 BD
BAS 1.605	SPL MDL2 MWT
FSD -3.000	TPS 3.800 TL -3.000 MCG

INCLINING TEST AND FREEBOARDS	
Inclining Test Club Estimated VCG	
Flotation date 31/03/2015	SG 1.0250
FFM 1.315	FF 1.315 SFFP 0.382
FAM 1.045	FA 1.045 SAFF 8.815
LCF from stem on CL / on sheer	5.471 / 5.741
Maximum beam station from stem	6.081
RM Measured	90.2kg-m
RM Default	88.8kg-m
Limit of positive stability / Stab.Index	117.8° / 116.0
Freeboard at mast at 3.515	1.193




2020
Measurements
Datasheet

MIZZEN RIG AND SAILS	
N/A	

PROPELLER	
Installation Shaft exposed	PRD 0.400
Type Solid 3 blades	PBW 0.135
Twin Screw No	PIPA 0.0199
PSA	PHL ST3 ESL
PSD	ST1 ST4
PHD	ST2 ST5

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COMMENTS	
Builder's displacement.	

MOVABLE BALLAST	
N/A	

CENTERBOARD	
N/A	

SAILS INVENTORY																
MAINSAIL (1)																
Id	MHB	MUW	MTW	MHW	MQW	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
1	0.04	0.43	0.83	1.67	2.53	17.90		13/03/2020		Polyester						
HEADSAILS (1)																
Id	HHB	HUW	HTW	HHW	HQW	HLP	HLU	Ovrlp	Area	Btn	Flying	Measurer	Meas.Date	Manufacture	Material	Comment
1	0.04	0.58	1.12	2.25	3.42	4.70	12.13	137%	27.86		No		13/03/2020		Polyest	
SYMMETRIC SPINNAKERS (0)																
Id	SLU	SLE	SL	SHW	SFL	Area	Measurer	Meas.Date	Manufacture	Material	Comment					
ASYMMETRIC SPINNAKERS (2)																
Id	SLU	SLE	SL	SHW	SFL	Area	Kind	Measurer	Meas.Date	Manufacture	Material	Comment				
1	13.18	11.62	12.40	6.24	6.40	64.82	asym		08/06/2018		Nylon					
2	12.22	10.97	11.60	4.61	6.07	47.37	asy76		13/03/2019		Polyester					

2020

ORC Club Certificate Appendix

BOAT			
Name	KALYDONA	Certificate Number	01085
Sail Nr	GRE-1713	Issued On	27/03/2020

TIME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1444.2	1169.8	1027.8	935.1	869.9	842.0	853.2
52°	908.3	747.5	662.4	603.8	570.5	555.4	554.0
60°	838.4	698.3	619.6	572.1	547.8	534.9	529.2
75°	762.4	636.3	566.5	536.5	521.4	513.9	500.6
90°	730.9	606.1	545.9	519.7	501.8	487.1	469.5
110°	759.3	620.2	549.0	518.7	497.1	477.1	448.8
120°	788.7	640.6	558.4	523.7	501.0	479.5	441.6
135°	878.4	702.4	598.4	543.7	516.6	495.6	455.9
150°	1031.4	810.7	688.0	609.2	566.7	538.1	502.2
Run VMG	1190.9	936.1	794.4	703.4	654.4	600.9	532.3
Selected Courses							
Windward / Leeward	1317.6	1053.0	911.1	819.3	762.2	721.4	692.7
Circular Random	1070.6	853.7	734.8	664.2	620.6	593.1	564.4
Coastal / Long Distance	1304.9	980.1	805.7	693.7	630.6	585.2	525.3
Non Spinnaker	1162.1	916.9	779.7	696.4	643.9	610.7	577.0

Velocity Prediction in Knots for True Wind Speeds							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat Angles	47.3°	45.8°	44.6°	44.3°	44.3°	43.9°	44.8°
Beat VMG	2.49	3.08	3.50	3.85	4.14	4.28	4.22
52°	3.96	4.82	5.43	5.96	6.31	6.48	6.50
60°	4.29	5.16	5.81	6.29	6.57	6.73	6.80
75°	4.72	5.66	6.36	6.71	6.90	7.01	7.19
90°	4.93	5.94	6.59	6.93	7.17	7.39	7.67
110°	4.74	5.80	6.56	6.94	7.24	7.55	8.02
120°	4.56	5.62	6.45	6.87	7.19	7.51	8.15
135°	4.10	5.13	6.02	6.62	6.97	7.26	7.90
150°	3.49	4.44	5.23	5.91	6.35	6.69	7.17
Run VMG	3.02	3.85	4.53	5.12	5.50	5.99	6.76
Gybe Angles	145.0°	145.5°	145.0°	145.5°	148.0°	174.0°	178.0°